



प्लाज़्मा अनुसंधान संस्थान
INSTITUTE FOR PLASMA RESEARCH
परमाणु ऊर्जा विभाग, भारत सरकार का एक सहायता प्राप्त
संस्थान



An Aided Institute of Department of Atomic Energy,
Government of India

इन्दिरा पुल के पास, भाट, गांधीनगर - 382

428 भारत

दूरभाष: (079) 2396 2020/2021/2028

फैक्स: 91-079-23962277

वेब: www.ipr.res.in

NEAR INDIRA BRIDGE, BHAT
DIST. GANDHINAGAR - 382 428 (INDIA)
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ENQUIRY

ENQUIRY NO : IPR/EQL/19-20/396
Date : 11-02-2020

Due on : 18-06-2020 by 1:00 PM IST

Reminder-1 Dt: 13-03-2020

Reminder-2 Dt: 20-04-2020

Reminder-3 Dt: 19-05-2020

Please send your offer in sealed envelope specifying Enquiry No, Date & Due Date, ALONG WITH your credentials for the following items:

Important Note:

Please note that e-mail quotations are not acceptable however you may send your queries (if any) to localpurchase@ipr.res.in

Please ensure your sealed quotation reaches this office not later than above mentioned due date and time.

Kindly go through the following documents properly before quoting which are available on the IPR web portal i.e., http://www.ipr.res.in/documents/tender_terms.html / attached herewith.

- 1) Instructions to the bidders & Terms and conditions (refer Form No: IPR-LP-01.V4)
- 2) Bidding format

GST for Goods and Services (IGST/CGST/SGST TAX BENEFITS): Please refer clause no: 8 of Form No: IPR-LP-01.V4

QUOTATION SHOULD BE ADDRESSED TO PURCHASE OFFICER ONLY

Sr No	Description	Quantity
1	12 kV 2000 A 40 KA (minimum), 50 hz 3 pols magnetic actuator mechanism operated with combine operation of all the poles VCB having vacuum interrupter, life of operations more than 10000 as per the specifications attached.	2.0 Nos.

Note: Note : (1) Unsigned quotations are not acceptable. Quotation should be submitted duly signed on ALL PAGES invariably
(2) TDS as per CGST Act : As per provisions of section No. 51 of the CGST Act 2017, TDS @ 2% (IGST 2% or CGST 1% and SGST 1%) will be deducted while making payment to the suppliers where total value of orders/contracts/work orders exceeds Rs. 2.5 Lakhs, in the event of order in Indian Rupees

Delivery Time:-12 weeks
Encl: Refer attached sheets for detailed technical specifications.

Information to Vendors: We are working towards a single platform for our future requirement. Hence, please refer IPR website i.e, <http://www.ipr.res.in/documents/tenderseng.html> for our future requirement.

Technical data sheet for 2000 A , 12 kV high speed magnetic actuator 3 poles VCB,

(Vendor shall give confirmations at the time of offer.)

Sr.no.	specifications	As per IPR specifications	As per vendor confirmations	Remarks if any
	Quantity	2 nos.		
	Type of VCB actuator	Magnetic actuator		
	Nos. of poles	3 poles		
	Type of Interrupter	Vacuum interrupter ,VCB		
	Voltage ratings/class	12 KV/12 kV		
	continuous ratings	2000 A / per pole or higher		
	Combines 3 poles shorted ratings (only for bus bar ratings)	4800 A (aprox.) 3 poles shorted, also bus bars	Not to be confirmed	
	Each pole short time ratings 40 KA / 3 sec. is necessary requires	40 KA for 3 sec.(2000 A) / minimum 40 KA or higher		
	Short time ratings 3 poles shorted	50 KA/ 3 sec. or higher		
	BIL	28 KV / 70 KV(P)		
	Actuator (gang operated)	by magnetic actuator (single unit for all three poles)		
	Off time/ ON in ms	Less than 75 ms		
	Control voltage	220 V dc, +/- 10 %		
	Auxiliary contacts for users	2 NO + 2 NC		
	Operations	Local /remote		
	Local	By PB		
	Remote	By shorting (220 v DC)		
	Life of operations (no. of operation OFF/ ON)	More than 10,000 operation (ON/OFF)		
	Bus bars suitable for	2000 A in each pole		
	Bus bars suitable for (supply with poles shorted)	4800 A in shorted conditions of all the 3 poles, supply with shorted bus bars		Supply with poles shorted
	Insulators	epoxy		
	Installation	Indoor , ,		
	Panel, fitting frames, earthing etc.	VCB panels and control box fitted on top front side, rear side shall be in open conditions		
	Testing at factory	Party shall submit factory routine test certificates with on/off time graphs of VCB		
	Applications, in IPR	DC commutating circuit with zero crossing, I dc < 20 KA. 30 to 50 operations/day		IPR use